

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
TRU-L-4'-D3-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00017

Test Date

2017-01-13

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Aluminum, Extruded Housing, Direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	47.50 in
Luminous Width:	2.75 in
Luminous Height:	0.00 in



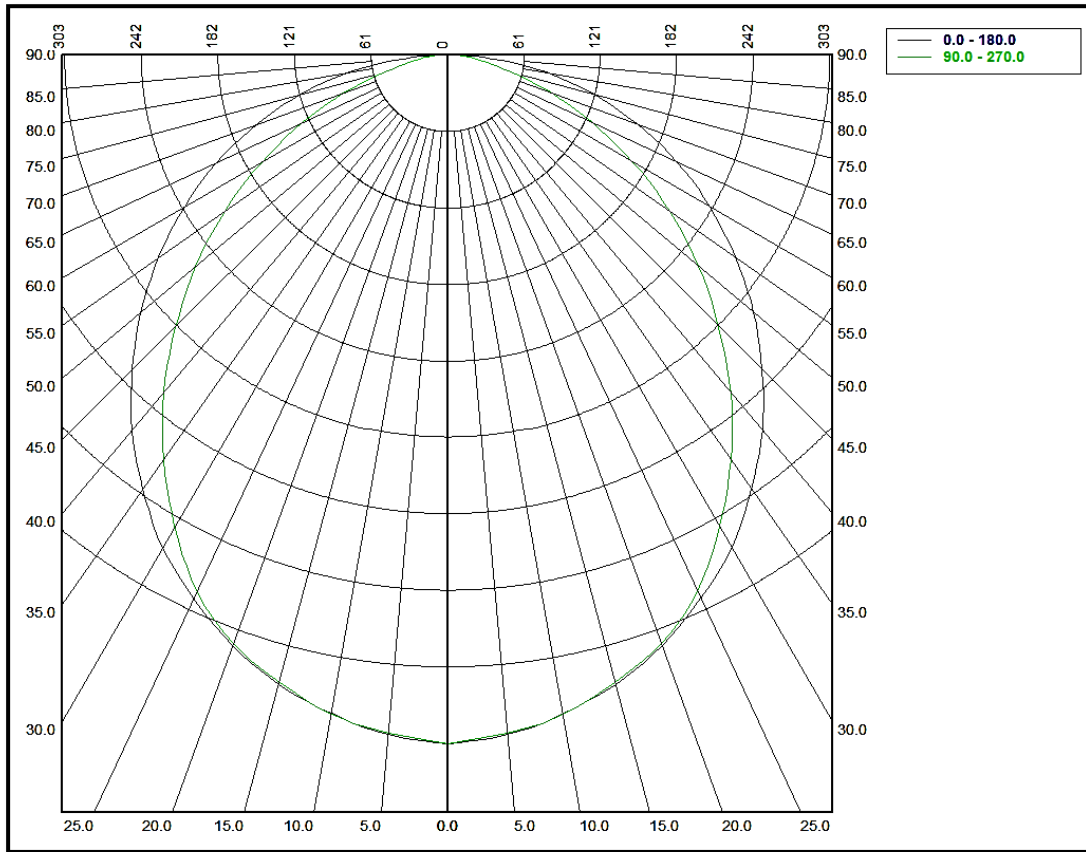
Image may differ slightly from actual unit

Summary of Results

System Power:	17.2W
Total Luminaire Output:	1414 Lumens
Luminaire Efficacy:	82 lm/W
Max Candela:	545.44 Candela

Calculated results may not be representative of field performance
Ballast factors have not been applied

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0-10	51.31	3.6%	90-100	0	0.0%
10-20	145.68	10.3%	100-110	0	0.0%
20-30	218.04	15.4%	110-120	0	0.0%
30-40	255.91	18.1%	120-130	0	0.0%
40-50	255.78	18.1%	130-140	0	0.0%
50-60	221.17	15.6%	140-150	0	0.0%
60-70	159.41	11.3%	150-160	0	0.0%
70-80	83.34	5.9%	160-170	0	0.0%
80-90	23.27	1.6%	170-180	0	0.0%
0-90	1413.91	100.0%	0-180	1413.91	100.0%

Candela Distribution

Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	545	545	545	545	545	545	545	545	545	545	545	545	545	545	545	545
5	541	544	540	539	539	539	540	544	541	544	540	539	539	539	540	544
10	530	532	530	530	530	530	530	532	530	532	530	530	530	530	530	532
15	517	516	516	517	514	517	516	516	517	516	516	517	514	517	516	516
20	498	497	499	497	496	497	499	497	498	497	499	497	496	497	499	497
25	475	476	476	472	469	472	476	476	475	476	476	472	469	472	476	476
30	451	449	448	437	432	437	448	449	451	449	448	437	432	437	448	449
35	420	421	413	398	392	398	413	421	420	421	413	398	392	398	413	421
40	388	387	373	356	350	356	373	387	388	387	373	356	350	356	373	387
45	353	352	333	313	304	313	333	352	353	352	333	313	304	313	333	352
50	317	313	289	269	260	269	289	313	317	313	289	269	260	269	289	313
55	279	273	246	224	215	224	246	273	279	273	246	224	215	224	246	273
60	240	231	202	178	170	178	202	231	240	231	202	178	170	178	202	231
65	202	188	157	135	127	135	157	188	202	188	157	135	127	135	157	188
70	160	144	113	93	87	93	113	144	160	144	113	93	87	93	113	144
75	120	100	71	54	49	54	71	100	120	100	71	54	49	54	71	100
80	79	57	34	28	28	28	34	57	79	57	34	28	28	28	34	57
85	35	19	16	16	16	16	16	19	35	19	16	16	16	16	16	19
90	5	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	6472	6472	6472
45	5915	5584	5104
55	5766	5087	4449
65	5655	4394	3562
75	5502	3239	2257
85	4701	2138	2149

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 20%																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Values are in Lumens delivered to the Task Plane																	
0	1683	1683	1683	1683	1640	1640	1640	1640	1569	1569	1569	1499	1499	1499	1442	1442	1442	1414
1	1541	1485	1414	1371	1499	1442	1386	1343	1386	1343	1301	1329	1301	1258	1287	1244	1230	1202
2	1414	1301	1202	1117	1371	1273	1188	1103	1216	1145	1089	1174	1117	1060	1131	1075	1032	1004
3	1287	1145	1032	933	1244	1117	1018	933	1075	990	919	1032	961	891	1004	933	877	848
4	1174	1018	891	792	1145	990	877	792	961	862	778	933	834	778	891	820	764	735
5	1089	905	778	693	1060	891	778	693	862	764	679	834	749	679	806	735	665	636
6	1004	820	693	608	976	806	693	608	778	679	594	749	665	594	735	650	580	551
7	933	749	622	537	905	735	622	537	707	608	523	693	594	523	665	580	523	495
8	862	679	566	481	848	665	551	481	650	551	481	636	537	467	622	537	467	438
9	806	622	509	438	792	622	509	424	594	495	424	580	495	424	566	481	424	396
10	764	580	467	396	749	566	467	396	551	452	396	537	452	382	523	452	382	368

